

MODULAR GAS TURBINE

Abstract

Method and arrangement for providing a gas turbine (1) having a duct (11) for carrying gas from a gas turbine inlet (9) to a gas turbine outlet (10) and an outer housing (19, 20, 21) arranged radially outside a wall structure (12, 13, 14), which defines the radially outer limits of the gas duct (11). The gas turbine (1), between the inlet (9) and outlet (10), is constructed from a plurality of modules (6, 7, 8), each of which constitutes a part of the outer housing (19, 20, 21) and a part of the wall structure (12, 13, 14) of the gas duct. At least two adjacent parts of the wall structure (12, 13, 14) of the gas duct are arranged at a distance from one another. At least one pressure dividing element (27, 33, 42) is provided and configured to divide off a pressure area (P1, P3, P4, P5, P6) in the gas duct (11) at the junction between the two adjacent parts of the wall structure (12, 13, 14) from another pressure area (15, 16, 17, 18) situated between the wall structure (12, 13, 14) of the gas duct and the outer housing (19, 20, 21). The pressure dividing element (27, 33, 42) consists of a pressure wall extending from the wall structure (12, 13, 14) of the gas duct to the outer housing

(19, 20, 21).